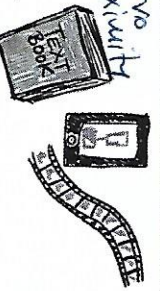


# OER PROJECT

## THE LEARNING RESOURCE



Which resource should be developed?  
For example learning video, textbook, worksheet, online course

type of resource

Who will learn with this resource?  
For example students 4th grade, Bavaria, Germany

target group

What prior knowledge is needed?

basic Arduino coding

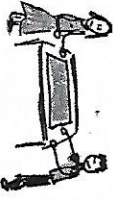
What should be known afterwards?

learning goals

## USE OF THE RESOURCE(S)

In which context?  
for example: in learning maths

Maths, STEAM, robotics



Who will use it?  
For example: teachers and parents of fourth grade students

users

## LICENSE OF THE RESOURCE(S)

How to use the resource?  
(see: <https://creativecommons.org/choose/>)

Who should we acknowledge? (attribution of people and organisations)?

attribution (who is named at BY?)

## FORMAT OF THE RESOURCE(S)

Which formats should be supported? For example for a textbook: html, odt or pdf?

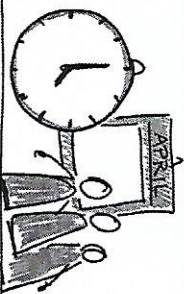
mp4 video format

where will be published?

Git hub

(i) bin  
-o Espressos Wemos -  
servo and sensors

## PROJECT ORGANISATION



WHEN?	WHAT?	TOOLS!	WHO?
October 2019	project plan	Pencil and paper to draw our design	2 teachers 14 students
October 2019	partner search	Organising our work group	2 teachers 12 students
November 2019	Organisation	Arduino tutorials design of a prototype	2 teachers 12 students
December 2019	draft/ materials	Arduino kit, assembly	2 teachers 6-12 students
January 2020	quality assurance	Testing Arduino, sensors	2 teachers 6-12 students
February 2020	layout/ production	Adjusting values, make the video	2 teachers 4-12 students
March-April 2020	publication/PR	licence it, upload, present/share	2 teachers 4-12 students

## EFFORT (IN HOURS)

2 hours
4 hours
4 hours
4 hours
6 hours
4 hours

## WHAT ELSE CAN BE DONE WITH THE OER?

Mark using colours

## EXISTING MATERIALS

Give credit in the attribution  
Give credit within project description  
Prepare a printed version for the authors  
Create distributable resource  
Share programming/code that can be re-used (re-edited)

YouTube tutorials, Forum Arduino CC, Arduino Academy, OpenStax, Google Classroom

## PARTNERS

Who else do we need?

## DISTRIBUTING THE OER

## ARCHIVING THE OER

Git hub school site: 314k-version.inva.sch.gr

Git hub school site: 314k-version.inva.sch.gr

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Originally developed in German for OERinto - Informationsstelle OER (2017) - <https://open-educational-resources.de/de/oer-canvas-tell-1/>